Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:
Listing of Claims:

- 1. (Canceled)
- 2. (previously presented) The method of claim 6, wherein the marker that reflects the activity of osteoblasts is:
- (1) a marker associated with the phase of osteoblast proliferation and matrix formation and a marker associated with the phase of calcification; or
- (2) a marker associated with the phase of matrix maturation and a marker associated with the phase of calcification.
- 3. (previously presented) The method according to claim 6, wherein the marker that reflects the activity of osteoblasts is:
- (1) Carboxyterminal propeptide of type I procollagen or Amino terminal propeptide of type I procollagen and osteocalcin; or
- (2) Bone specific alkaliphosphatase and osteocalcin.

- 4. (previously presented) The method according to claim 6, wherein the marker that reflects the action of osteoclasts is a marker associated with bone type I collagen.
- 5. (previously presented) The method according to claim 6, wherein the marker that reflects the action of osteoclasts is deoxypyridinoline and/or Carboxyterminal telopeptide of type I collagen.

osteoclasts targeted to evaluation of worsening of the disease,

(Canceled)

8. (currently amended) A method of evaluating the
therapcutic efficacy of a drug drugs for treatment of a cancer
disease,
using <u>one or more a marker formative markers</u> that
reflects the activity of osteoblasts and a marker that
reflects the action one or more resorptive markers that
reflect the activity of osteoclasts,
1) wherein the markers that reflect the activity of
osteoblasts are
a) one or more markers associated with the
phase of calcification, and
b) one or more markers associated with the
phase of osteoblasts proliferation and/or matrix formation,

activity of osteoclasts are markers associated with osteoclasts targeted to evaluation of worsening of the disease.

whereby wherein the amelioration of bone metastasis or therapeutic effect and the degree of the exacerbation of bone metastasis are diagnosed correctly by monitoring said two markers., one associated with osteoblasts and targeted to evaluation of therapeutic effect, and the other associated with osteoclasts and targeted to evaluation of worsening of the disease.

- 9. (currently amended) The method according to claim 8, wherein the drug <u>evaluated</u> is a cancer control therapeutic agent.
- 10. ((currently amended) The method according to claim 8, wherein the drug <u>evaluated</u> is a bone resorption suppressant.
- 11. ((currently amended) The method according to claim 8, wherein the drug <u>evaluated</u> is an endocrine therapeutic agent.
 - 12. (Previously presented) The method according to

claim 8, wherein the marker that reflects the activity of osteoblasts is:

- (1) a marker associated with the phase of osteoblast proliferation and matrix formation and a marker associated with the phase of calcification; or
- (2) a marker associated with the phase of matrix maturation and a marker associated with the phase of calcification.
- 13. (Previously presented) The method according to claim 8, wherein the marker that reflects the activity of osteoblasts is:
- (1) Carboxyterminal propeptide of type I procollagen or Amino terminal propeptide of type I procollagen and osteocalcin; or
- (2) Bone specific alkaliphosphatase and osteocalcin.
- 14. (Previously presented) The method according to claim 8, wherein the marker that reflects the action of osteoclasts is a marker associated with bone type I collagen.
- 15. (Previously presented) The method according to claim 8, wherein the marker that reflects the action of osteoclasts is deoxypyridinoline and/or Carboxyterminal telopeptide of type I collagen.

- 16. (currently amended) The method according to claim 8, wherein there is used:
- 1) the ratio of A/B in which A is a marker associated with osteoblast calcification and B is a marker associated with osteoblast proliferation or a marker associated with matrix formation, and a marker associated with bone type I collagen, or
- 2) a ratio of A/B in which A is a marker associated with osteoblast calcification and B is the measured value of a marker associated with osteoblast matrix formation, and the measured value of a marker associated with bone type I collagen:

wherein the ratio of A/B is a Z value of an A to Z value of B in which said Z value is:

(an average of measured values for patients with bone metastasis) / (a standard deviation of a patient without bone metastasis).

- 17. (currently amended) The method according to claim 8, wherein there is used:
- 1) a ratio of A/B in which A is osteocalcin and B is
 Carboxyterminal propeptide of type I pro-collagen or Amino
 terminal propeptide of type I procollagen and Carboxyterminal
 telopeptide of type I collagen, or

2) a ratio of A/B in which A is osteocalcin and B is Bone specific alkaliphosphatase and Carboxyterminal telopeptide of type I collagen:

wherein the ratio of A/B is a Z value of an A to Z value of B in which said Z value is:

(an average of measured values for patients with bone metastasis)/(a standard deviation of a patient without bone metastasis).

- 18. (Cancelled)
- 19. (canceled).
- 20. (currently amended) The method according to claim 6, wherein there is used:
- 1) a ratio of A/B in which A is a marker associated with osteoblast calcification and B is a marker associated with osteoblast proliferation of a marker associated with matrix formation, and a marker associated with bone type I collagen, or
- 2) a ratio of A/B in which A is a marker associated with osteoblast calcification and B is the measured value of a marker associated with osteoblast matrix formation, and the measured value of a marker associated with bone type I collagen;

wherein the ratio of A/B is a Z value of an A to Z
value of B in which said Z value is:
(an average of measured values for patients with
bone metastasis) / (a standard deviation of a patient without
bone metastasis).

- 21. (currently amended) The method according to claim 6, wherein there is used:
- 1) a ratio of A/B in which A is osteocalcin and B is carboxy-terminal propeptide of type I procollagen or aminoterminal propeptide of type I procollagen, and carboxy-terminal telopeptide of type I collagen, or
- 2) a ratio of A/B in which A is osteocalcin and B is bone-specific alkaline phosphatase, and carboxy-terminal telopeptide of type I collagen;

wherein the ratio of A/B is a Z value of an A to Z value of B in which said Z value is:

(an average of measured values for patients with bone metastasis) / (a standard deviation of a patient without bone metastasis).

22-24. (canceled)